

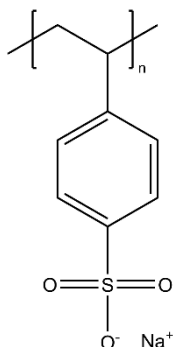


Technical Data Sheet

MATERIAL:	Polystyrene sulfonate, sodium salt
CATALOG NUMBER:	576
CAS NUMBER:	25704-18-1
DESCRIPTION:	Sulfonated polystyrene, sodium salt
FORMULA:	$(C_8H_7O_3SNa)_x$
TYPICAL PROPERTIES:	
Appearance:	Powder
Approx Mw:	500,000
Viscosity:	170 cp (10% solution)
Decomposition temp:	450°C
pH:	6-10 (10% solution)
Solubility:	Lower glycols and water

GENERAL INFORMATION: Product is an anionic polyelectrolyte of sodium polystyrene sulfonate prepared under conditions that yield a high degree of substitution. The high degree of sulfonation imparts properties to the polymer that make it suitable for a variety of applications; in water treatment as scale control additives and dispersants; in oil fields as flocculants, fluid loss control agents and viscosifiers; and in photographic imaging as complexers and antistats.

STRUCTURE:



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